



PROCESS FOR PRODUCING  
A PURIFIED AQUEOUS HYDROGEN PEROXIDE SOLUTION

ABSTRACT OF THE DISCLOSURE

A process for producing a purified aqueous hydrogen peroxide solution comprises contacting an aqueous hydrogen peroxide solution containing metal ion impurities firstly with a  $H^+$  type cation exchange resin, secondly with a carbonate iron ( $CO_3^{2-}$ ) type or bicarbonate ion ( $HCO_3^-$ ) type anion exchange resin, and thirdly with a  $H^+$  type cation exchange resin. Further, a process for producing a purified aqueous hydrogen peroxide solution comprises contacting an aqueous hydrogen peroxide solution containing metal ion impurities firstly with a  $H^+$  type cation exchange resin, secondly with a fluoride ion ( $F^-$ ) type anion exchange resin, thirdly with a carbonate ion ( $CO_3^{2-}$ ) type or bicarbonate ion ( $HCO_3^-$ ) type anion exchange resin, and fourthly with a  $H^+$  type cation exchange resin.